

EXECUTIVE RECOMMENDATION

Blue Plains WWTP:Plant Wide Projects - No. 023805

Category: **WSSC**
 Agency: **W.S.S.C.**
 Planning Area: **Bi-County**
 Relocation Impact:

Date Last Modified: **December 30, 2004**
 Previous PDF Page Number: **22-11-(05 App)**
 Required Adequate Public Facility: **No**

EXPENDITURE SCHEDULE (\$000)

Cost Element	Thru		Est.	6 Year							Beyond	
	Total	FY04	FY05	Total	FY06	FY07	FY08	FY09	FY10	FY11	6 Years	
Planning, Design and Supervision	27,805	18,996	2,533	6,088	2,812	2,020	876	301	49	30	188	
Land	0	0	0	0	0	0	0	0	0	0	0	
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0	
Construction	125,693	63,113	17,998	43,247	19,982	14,350	6,221	2,137	346	211	1,335	
Other	713	0	205	493	228	164	71	24	4	2	15	
Total	154,211	82,109	20,736	49,828	23,022	16,534	7,168	2,462	399	243	1,538	

FUNDING SCHEDULE (\$000)

Municipal (WSSC only)	8,464	4,507	1,138	2,735	1,264	908	393	135	22	13	84
System Development Charge	26,217	13,959	3,525	8,472	3,914	2,811	1,219	419	68	41	261
WSSC Bonds	119,530	63,643	16,073	38,621	17,844	12,815	5,556	1,908	309	189	1,193

COMPARISON (\$000)

		Thru	Est.	6 Year						Beyond	Approp.	
	Total	FY04	FY05	Total	FY06	FY07	FY08	FY09	FY10	FY11	6 Years	Request
Current Approved	123,745	82,366	14,446	24,903	8,973	7,392	6,714	1,530	294	0	2,030	0
Agency Request	127,933	82,574	16,871	26,731	10,136	7,677	6,797	1,607	291	223	1,757	10,136
Recommended	154,211	82,109	20,736	49,828	23,022	16,534	7,168	2,462	399	243	1,538	23,022
CHANGE				TOTAL	%	6-YEAR	%				APPROP.	
Agency Request vs Approved				4,188	3.4%	1,828	7.3%			10,136	0.0%	
Recommended vs Approved				30,466	24.6%	24,925	100.1%			23,022	0.0%	
Recommended vs Request				26,278	20.5%	23,097	86.4%			12,886	127.1%	

Recommendation

APPROVE WITH MODIFICATIONS

Comments

The project includes funding for WSSC's share of the Blue Plains Advanced Wastewater Treatment Plant capital projects. The Executive recommends changes in the project estimates to align with amounts proposed by the District of Columbia Water and Sewer Authority (WASA).

A. Identification and Coding Information

1. Project Number	Agency Number	Update Code
023805	S-22.09	Change

2. Date: October 1, 2004

7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.

Revised:

3. Project Name: Blue Plains WWTP: Plant Wide Projects

5. Agency: **WSSC**4. Program: **Sanitation** 6. Planning Area: Bi-County**B. Expenditure Schedule (000's)**

Cost Elements	(8) Total	(9) Thru FY '04	(10) Estimate FY '05	(11) Total 6 Years	(12) Year 1 FY '06	(13) Year 2 FY '07	(14) Year 3 FY '08	(15) Year 4 FY '09	(16) Year 5 FY '10	(17) Year 6 FY '11	(18) Beyond 6 Years
Planning, Design & Supervision	28,598	19,040	4,302	4,430	1,704	885	829	559	232	221	826
Land											
Site Improvements & Utilities											
Construction	98,887	63,534	12,402	22,037	8,332	6,716	5,901	1,032	56		914
Other	448		167	264	100	76	67	16	3	2	17
Total	127,933	82,574	16,871	26,731	10,136	7,677	6,797	1,607	291	223	1,757

C. Funding Schedule (000's)

WSSC Bonds	99,164	64,003	13,077	20,722	7,857	5,951	5,269	1,246	226	173	1,362
SDC	21,748	14,038	2,868	4,543	1,723	1,305	1,155	273	49	38	299
City of Rockville	7,021	4,533	926	1,466	556	421	373	88	16	12	96

D. Description & Justification**DESCRIPTION**

This project includes funding for WSSC's share of Blue Plains plant-wide projects for which construction began after June 30, 1993. Major projects include the following: Process Control Computer Systems; Additional Chemical Systems and Transmission Improvements; Electrical Power Systems Additions, Phases I and II; Alternative Disinfection Facilities; High Priority Rehabilitation Program; and Potomac Interceptor, Upper Potomac Interceptor, and Potomac Pumping Station Rehabilitations. All Blue Plains facilities are sized at 370 MGD.

Service Area Bi-County Area

Capacity 370 MGD

JUSTIFICATION**Plans & Studies**

The Blue Plains Intermunicipal Agreement of 1985; the WASA Master Plan (1998); and the DC-WASA Proposed FY 2003 - FY 2012 Capital Improvement Program (10/16/03).

Specific Data

This is a continuation of the DC-WASA's upgrading of the Blue Plains Wastewater Treatment Plant.

Cost Change

The cost increase reflects the latest estimates from DCWASA for existing sub-projects and the addition of several new projects including Laboratory Upgrades, Blower Upgrades, Sampler System Construction, Site Perimeter Security, and Rock Creek Sewage Pumping Station Rehabilitation.

STATUS Not Applicable**OTHER**

The project scope has remained the same.

Project History: This project was previously part of WSSC Project S-22.06 and was first introduced in the FY's 2002-2007 CIP. The costs included in this project are SDC eligible. The project costs shown above are derived from the DCWASA Capital & Operating Budget 10-year forecast of spending and WASA's latest project management data and fully reflect WASA's current cost estimates and expenditure schedules. Given the open-ended nature of the Blue Plains projects, this PDF may not fully reflect the total project costs. These projects are in fact expected to continue indefinitely. It is anticipated that as new sub-projects are added to the Blue Plains facility plans, the associated costs will be added to this project. The funding schedule also indicates the calculated Rockville share of the cost.

E. Annual Operating Budget Impact (000's)

FY of Impact

Program Costs	Staff
	Other
Facility Costs	Maintenance
	Debt Service	7751
Total Costs.....		7751
Impact on Water or Sewer Rate.....		17¢

F. Approval and Expenditure Data (000's)

Date First in Capital Program	FY 95
Date First Approved	FY 02
Initial Cost Estimate	84,650
Cost Estimate Last FY	123,745
Present Cost Estimate	127,933
Approved Request, Last FY	14,446
Total Expenditures & Encumbrances	82,574
Approval Request FY 06	10,136
Supplemental Approval Request Current FY (05)	

G. Status Information

Land Status:	Not applicable
% Project Completion:	On-Going
Est. Completion Date:	On-Going

H. Map Map Reference Code:**MAP NOT AVAILABLE****AGENCY REQUEST**

D. DESCRIPTION & JUSTIFICATION (CONT.)

Agency Number: S - 22.09

Project Name: Blue Plains WWTP: Plant Wide Projects

COORDINATION

District of Columbia Water & Sewer Authority (responsible for design and construction).

NOTE This project supports 17% Growth, 59% System Improvement and 24% Environmental Regulation.